

Claims:

SUB A67 1. A method of generating sequencing information representing a sequence of items selected in a database, each of the items comprising a set of descriptors, characterised in that it comprises the steps of:

a) specifying a length of said sequence and at least one of said descriptors;

b) applying similarity relation techniques between said items; and

c) generating a fixed-length sequence having a morphological continuity.

2. The method according to claim 1, wherein each of said items is represented by a series of constraint variables having a domain in the database.

3. The method according to claim 1, wherein said similarity-relation applying step comprises modelling each of said descriptors in a desired sequence as a constrained variable.

4. The method according to claim 1, wherein said similarity-relation applying step comprises applying a global similarity relation technique by combining individual similarity measures on all of said descriptors.

5. The method according to claim 1, wherein said similarity-relation applying step comprises providing mathematical similarity functions.

6. The method according to claim 1, wherein said similarity-relation applying step comprises providing similarity relations defined by given thresholds.

7. The method according to claim 1, wherein said sequence-generating step comprises transforming said at least one of said values into unary constraints in terms of constraint satisfaction programming techniques.

8. The method according to claim 7, wherein said sequence-generating step further comprises subjecting said unary constraints to a processing of variables domain reduction.

9. The method according to claim 1, wherein said descriptors are expressed in terms of descriptor/value pairs respectively, and each of said values for said descriptor is selected from descriptor/value lists.

10. The method according to claim 9, wherein each of said descriptors is associated to a descriptor type.

11. The method according to claim 10, wherein said descriptor type comprises at least one type selected from the group consisting of Integer-Type, Taxonomy-Type and Discrete-Type.

12. The method according to claim 1, wherein said step of specifying at least one of said values comprises specifying a first title and a last title of said items in said sequence.

13. The method according to claim 1, wherein said step of specifying at least one of said values comprises specifying a morphological style of said items in said sequence.

14. The method according to claim 1, wherein said database comprises musical pieces.

15. The method according to claim 1, wherein said values comprise titles, and said titles form a music program.

16. A system adapted to implement the method of claim 1, comprising a general-purpose computer and a monitor for display of the generated information.

17. A computer program product adapted to carry out the method of claim 1, when loaded into a general purpose computer.